

Message

**From:** Blackburn, Elizabeth [/O=EXCHANGELABS/OU=EXCHANGE ADMINISTRATIVE GROUP (FYDIBOHF23SPDLT)/CN=RECIPIENTS/CN=A080EB90549A453AAA6A357F5257C0B7-BLACKBURN, ELIZABETH]  
**Sent:** 1/21/2019 3:07:12 PM  
**To:** Dunlap, David [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=591eb15a268249dda0c05a7451f765c3-Dunlap, Dav]  
**CC:** Orme-Zavaleta, Jennifer [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=3c5a111dc377411595e5b24b5d96146b-Orme-Zavaleta, Jennifer]; Liz Blackburn [steinblack@gmail.com]; Robbins, Chris [/o=ExchangeLabs/ou=Exchange Administrative Group (FYDIBOHF23SPDLT)/cn=Recipients/cn=958b4b78eb42457eacf53514e428efd6-Robbins, Chris]  
**Subject:** Re: Draft Answers to QFRs 117, 121, 179

Done.

Liz Blackburn  
Chief of Staff  
EPA Office of Research and Development  
202-564-2192  
Cell 4 Personal Matters / Ex. 6

Sent from my iPhone

On Jan 21, 2019, at 9:59 AM, Dunlap, David <dunlap.david@epa.gov> wrote:

## Deliberative Process / Ex. 5

Thanks

DDD

David D. Dunlap

O Personal Matters / Ex. 6

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**From:** Blackburn, Elizabeth  
**Sent:** Monday, January 21, 2019 9:56 AM  
**To:** Dunlap, David <dunlap.david@epa.gov>  
**Cc:** Orme-Zavaleta, Jennifer <Orme-Zavaleta.Jennifer@epa.gov>; Liz Blackburn <steinblack@gmail.com>; Robbins, Chris <Robbins.Chris@epa.gov>  
**Subject:** Re: Draft Answers to QFRs 117, 121, 179

Thank you David. Deliberative Process / Ex. 5

## Deliberative Process / Ex. 5

Stay warm everyone. Brrrrrrrrr.

Liz

Liz Blackburn  
Chief of Staff  
EPA Office of Research and Development  
202-564-2192

Sent from my iPhone

On Jan 21, 2019, at 9:41 AM, Dunlap, David <[dunlap.david@epa.gov](mailto:dunlap.david@epa.gov)> wrote:

See below the draft answers to QFRs 117, 121 and 179.

Q 117

**AO/ORD:** To what extent, when, and in what capacity was David Dunlap, Deputy Assistant Administrator for Research and Development in EPA's Office of Research and Development, involved in the development of the 2018 IRIS Program Outlook? Please be very specific.

## Deliberative Process / Ex. 5

Q 121

**ORD:** At a recent meeting of the EPA Clean Air Scientific Advisory Committee (CASAC), multiple members of CASAC expressed doubt that they had the scientific experience to manage reviewing the science on particulate matter, which includes divergent scientific fields from epidemiology, to toxicology to data science to instrumentation.

- a. Do you still believe that this CASAC has the requisite expertise to provide you with advice on particulate matter?
- b. Epidemiology is a key subject for assessing the health impacts of particulate matter such as early death and cardiovascular illness, yet not a single epidemiologist is on CASAC. How can CASAC adequately assess the science on particulate and health, when its members do not have expertise in key fields like epidemiology and when there is no particulate matter review panel?
- c. Has CASAC consulted with outside experts on PM and ozone standards? If so, with whom?

**ANSWER:**

## **Deliberative Process / Ex. 5**

Q 179

**OP/ORD:** Are there any circumstances under which written EPA protocols for selecting members of EPA's various science advisory boards should be departed from? If so, please describe the circumstances that would justify departing from established member selection protocols.

**ANSWER:**

# Deliberative Process / Ex. 5

David D. Dunlap  
Deputy Assistant Administrator  
US Environmental Protection Agency  
Office of Research & Development

O — Personal Matters / Ex. 6